

IN THE CLAIMS

Please amend the claims as follows:

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Unit
Claims 1-13 (Cancelled).

Claim 14 (Currently Amended): A bitstream data processing apparatus using a recordable information medium having a data area and a management area providing a data structure for recording broadcasted bitstream information, a the data structure stored on said information medium including,

a stream object, formed of the broadcasted bitstream information, including at least one first data unit, at least one second data unit having the at least one first data unit, and at least one third data unit having the at least one second data unit, the at least one third data unit storing header information relating to the at least one first data unit in the at least one third data unit,

said apparatus comprising:

a formatter configured to format an input signal into a bitstream of data packets for an MPEG transport stream, said data packets corresponding to the at least one first data unit; and
a recorder section configured to record the bitstream in the data area of said information medium.

Claim 15 (Previously Presented): An apparatus according to claim 14, wherein said formatter generates management information, and said recorder section records the generated management information in the management area of said information medium.

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Claim 16 (Previously Presented): An apparatus according to claim 14, wherein the management area of said information medium is configured to store packet length information, said packet length information indicating a size of the data packets.

Claim 17 (Currently Amended): A bitstream data processing apparatus using a recordable information medium having a data area and a management area providing a data structure for recording broadcasted bitstream information, a the data structure stored on said information medium including,

a stream object, formed of the broadcasted bitstream information, including at least one first data unit, at least one second data unit having the at least one first data unit, and at least one third data unit having the at least one second data unit, the at least one third data unit storing header information relating to the at least one first data unit in the at least one third data unit,

said apparatus comprising:

a reproducer section configured to reproduce the broadcasted bitstream information from the data area of said information medium; and

a transfer section configured to transfer the data packets in the reproduced broadcasted bitstream information from the reproducer section to a decoder in which a content of the data packets is decoded.

Claim 18 (Previously Presented): An apparatus according to claim 17, wherein the management area of said information medium is configured to store packet length information, said packet length information indicating a size of the data packets.

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Claim 19 (Currently Amended): An information medium containing a data structure for recording broadcasted bitstream information including service information, said bitstream information being configured to be recorded on the medium and to be reproduced from the medium using at least one of a recording apparatus and a reproducing apparatus, said medium comprising: wherein,

data area for recording broadcasted bitstream information;

a management area for recording control information for managing the broadcasted bitstream information recorded in the data area, wherein

said data structure comprises: stored on said information medium includes a stream object, formed of the bitstream information, including,

object data to be recorded in the data area, including at least one data unit which includes a plurality of pairs of time stamp information and transport packets, said transport packets including contents of said bitstream information; and

said management area is configured to record information corresponding to said service information

at least one first data unit,

at least one second data unit having the at least one first data unit, and

at least one third data unit having the at least one second data unit, the at least one third data unit storing header information relating to the at least one first data unit in the at least one third data unit,

said information medium comprising:

a management area configured to store packet length information of the data packets.